Yuan Zhao

List of Publications by Year
in descending order

47 papers	2,252 citations	201385 27 h-index	214527 47 g-index
50 all docs	50 docs citations	50 times ranked	2867 citing authors

#	Article	IF	Citations
1	A novel electrochemically enhanced homogeneous PMS-heterogeneous CoFe2O4 synergistic catalysis for the efficient removal of levofloxacin. Journal of Hazardous Materials, 2022, 424, 127651.	6.5	61
2	AuPt NPs with enhanced electrochemical oxidization activity for ratiometric electrochemical aptasensor. Biosensors and Bioelectronics, 2022, 196, 113733.	5.3	21
3	SERS-Active Composites with Auâ€"Ag Janus Nanoparticles/Perovskite in Immunoassays for Staphylococcus aureus Enterotoxins. ACS Applied Materials & Interfaces, 2022, 14, 3293-3301.	4.0	34
4	Dual electroactive AgM (M=Ru, Pt) NPs for double electroanalysis of HER2 and EpCAM. Sensors and Actuators B: Chemical, 2022, 357, 131436.	4.0	7
5	A visual chiroptical system with chiral assembly graphene quantum dots for D-phenylalanine detection. Analytical and Bioanalytical Chemistry, 2022, 414, 4885-4896.	1.9	7
6	â€œAdd onâ€•Dual-Modal Optical Immunoassay by Plasmonic Metal NP-Semiconductor Composites. Analytical Chemistry, 2021, 93, 3250-3257.	3.2	29
7	Plasmon-Enhanced Electroactivity of AuRu Nanostructures for Electroanalysis Applications. Analytical Chemistry, 2021, 93, 4944-4951.	3.2	24
8	Electroactive Cu2O nanocubes engineered electrochemical sensor for H2S detection. Analytica Chimica Acta, 2021, 1150, 338216.	2.6	31
9	Surface-Enhanced Raman Scattering-Active Plasmonic Metal Nanoparticle-Persistent Luminescence Material Composite Films for Multiple Illegal Dye Detection. Analytical Chemistry, 2021, 93, 8945-8953.	3.2	12
10	Perovskite Nanomaterial-Engineered Multiplex-Mode Fluorescence Sensing of Edible Oil Quality. Analytical Chemistry, 2021, 93, 11033-11042.	3.2	32
11	RuCu Cage/Alloy Nanoparticles with Controllable Electroactivity for Specific Electroanalysis Applications. Analytical Chemistry, 2021, 93, 13080-13088.	3.2	10
12	Electroactive NPs and D-amino acids oxidase engineered electrochemical chiral sensor for D-alanine detection. Sensors and Actuators B: Chemical, 2020, 304, 127333.	4.0	28
13	Autoluminescence-Free Dual Tumor Marker Biosensing by Persistent Luminescence Nanostructures. ACS Sustainable Chemistry and Engineering, 2020, 8, 686-694.	3.2	32
14	Ratiometric persistent luminescence aptasensors for carcinoembryonic antigen detection. Mikrochimica Acta, 2020, 187, 615.	2.5	13
15	Au Filmâ€"Au@Ag Coreâ€"Shell Nanoparticle Structured Surface-Enhanced Raman Spectroscopy Aptasensor for Accurate Ochratoxin A Detection. ACS Applied Bio Materials, 2020, 3, 2385-2391.	2.3	24
16	DNAâ€Based Plasmonic Heterogeneous Nanostructures: Building, Optical Responses, and Bioapplications. Advanced Materials, 2020, 32, e1907880.	11.1	32
17	DNA-Driven Nanoparticle Assemblies for Biosensing and Bioimaging. Topics in Current Chemistry, 2020, 378, 18.	3.0	15
18	Electroactive Cu2O nanoparticles and Ag nanoparticles driven ratiometric electrochemical aptasensor for prostate specific antigen detection. Sensors and Actuators B: Chemical, 2020, 315, 128155.	4.0	36

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19	Plasmonic Auâ€“Ag Janus Nanoparticle Engineered Ratiometric Surface-Enhanced Raman Scattering Aptasensor for Ochratoxin A Detection. Analytical Chemistry, 2019, 91, 11812-11820.	3.2	140
20	Rational Design of Multisite Trielement Ruâ€“Niâ€“Fe Alloy Nanocatalysts with Efficient and Durable Catalytic Hydrogenation Performances. ACS Applied Materials & Interfaces, 2019, 11, 41204-41214.	4.0	21
21	Autoluminescence-Free Prostate-Specific Antigen Detection by Persistent Luminous Nanorods and Au@Ag@SiO₂ Nanoparticles. ACS Applied Materials & Interfaces, 2019, 11, 40669-40676.	4.0	24
22	Gap-Tethered Au@AgAu Raman Tags for the Ratiometric Detection of MC-LR. Analytical Chemistry, 2019, 91, 7162-7172.	3.2	60
23	Pt NPs catalyzed chemiluminescence method for Hg²⁺ detection based on a flow injection system. Electrophoresis, 2019, 40, 2218-2226.	1.3	16
24	Electroactive Au@Ag Nanoparticle Assembly Driven Signal Amplification for Ultrasensitive Chiral Recognition of <scp>d</scp>-/<scp>l</scp>-Trp. ACS Sustainable Chemistry and Engineering, 2019, 7, 5157-5166.	3.2	45
25	Ag/CdO NP-Engineered Magnetic Electrochemical Aptasensor for Prostatic Specific Antigen Detection. ACS Applied Materials & Interfaces, 2019, 11, 3474-3481.	4.0	51
26	Fluorometric nanoprobes for simultaneous aptamer-basedÂdetection of carcinoembryonic antigen and prostate specific antigen. Mikrochimica Acta, 2019, 186, 152.	2.5	46
27	Rational Design of Magnetic Micronanoelectrodes for Recognition and Ultrasensitive Quantification of Cysteine Enantiomers. Analytical Chemistry, 2018, 90, 3374-3381.	3.2	44
28	Shell-encoded Au nanoparticles with tunable electroactivity for specific dual disease biomarkers detection. Biosensors and Bioelectronics, 2018, 99, 193-200.	5.3	49
29	Electroactive Au@Ag nanoparticles driven electrochemical sensor for endogenous H2S detection. Biosensors and Bioelectronics, 2018, 117, 53-59.	5.3	80
30	Facile synthesis of iridium nanoparticles with superior peroxidase-like activity for colorimetric determination of H2O2 and xanthine. Sensors and Actuators B: Chemical, 2017, 243, 203-210.	4.0	86
31	Tunable preparation of ruthenium nanoparticles with superior size-dependent catalytic hydrogenation properties. Journal of Hazardous Materials, 2017, 332, 124-131.	6.5	38
32	Sensitive Colorimetric Assay of H₂S Depending on the High-Efficient Inhibition of Catalytic Performance of Ru Nanoparticles. ACS Sustainable Chemistry and Engineering, 2017, 5, 7912-7919.	3.2	34
33	Biological Molecules-Governed Plasmonic Nanoparticle Dimers with Tailored Optical Behaviors. Journal of Physical Chemistry Letters, 2017, 8, 5633-5642.	2.1	29
34	Dynamic Chiral Nanoparticle Assemblies and Specific Chiroplasmonic Analysis of Cancer Cells. Advanced Materials, 2016, 28, 4877-4883.	11.1	48
35	SERS Encoded Silver Pyramids for Attomolar Detection of Multiplexed Disease Biomarkers. Advanced Materials, 2015, 27, 1706-1711.	11.1	276
36	Au nanoflowerâ€“Ag nanoparticle assembled SERS-active substrates for sensitive MC-LR detection. Chemical Communications, 2015, 51, 16908-16911.	2.2	63

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37	Double Detection of Mycotoxins Based on SERS Labels Embedded Ag@Au Coreâ€"Shell Nanoparticles. ACS Applied Materials & Interfaces, 2015, 7, 21780-21786.	4.0	175
38	SERS-active Ag@Au coreâ€"shell NP assemblies for DNA detection. RSC Advances, 2014, 4, 56052-56056.	1.7	24
39	Au NPs driven electrochemiluminescence aptasensors for sensitive detection of fumonisin B1. RSC Advances, 2014, 4, 57709-57714.	1.7	29
40	Dual Amplified Electrochemical Immunosensor for Highly Sensitive Detection of Pantoea stewartii sbusp. stewartii. ACS Applied Materials & Interfaces, 2014, 6, 21178-21183.	4.0	88
41	Shellâ€Programmed Au Nanoparticle Heterodimers with Customized Chiroptical Activity. Small, 2014, 10, 4770-4777.	5.2	18
42	Shell-Engineered Chiroplasmonic Assemblies of Nanoparticles for Zeptomolar DNA Detection. Nano Letters, 2014, 14, 3908-3913.	4.5	169
43	Alternating Plasmonic Nanoparticle Heterochains Made by Polymerase Chain Reaction and Their Optical Properties. Journal of Physical Chemistry Letters, 2013, 4, 641-647.	2.1	72
44	Systematic comparisons of genetically modified organism DNA separation and purification by various functional magnetic nanoparticles. International Journal of Food Science and Technology, 2012, 47, 910-917.	1.3	10
45	Asymmetric and symmetric PCR of gold nanoparticles: A pathway to scaled-up self-assembly with tunable chirality. Journal of Materials Chemistry, 2012, 22, 5574.	6.7	35
46	Magnetic Bead-Based Multiplex DNA Sequence Detection of Genetically Modified Organisms Using Quantum Dot-Encoded Silicon Dioxide Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 20134-20140.	1.5	15
47	Facile preparation of fluorescence-encoded microspheres based on microfluidic system. Journal of Colloid and Interface Science, 2010, 352, 337-342.	5.0	19